

Name _____ Date _____

FACTORIZING BINOMIALS

Factor

1. $16a^3 + 28a^2 =$

2. $42a^4 - 63a^3 =$

3. $27a^8b - 45a^2b^3 =$

4. $16a^6b^8 - 40a^2b^3 =$

5. $60a^7b^4c^5 + 36a^3bc^9 =$

6. $x^2 - 36 =$

7. $9x^2 - 25 =$

8. $49a^2 - 16b^2 =$

9. $36a^2 - 121b^4 =$

10. $100a^4 - 9b^6 =$

11. $x^3 + 125 =$

12. $x^3 - 27 =$

13. $64a^3 - 343b^3 =$

14. $27a^3 + 8b^3 =$

15. $125a^9 + 64b^6 =$

16. $216a^6 - 343b^9 =$

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FACToring BINOMIALS

Factor

1. $21a^5b^6 - 12a^2b^6 =$

2. $24a^9b^2 + 56a^6b^7 =$

3. $28a^7b^5 - 20a^3b^9 =$

4. $35a^5b^9c - 63a^2b^6c^3 =$

5. $30a^7b^3c^9 + 54a^2b^5c^8 =$

6. $x^2 - 64 =$

7. $81x^2 - 25y^2 =$

8. $100a^2 - 9b^2 =$

9. $49a^4 - 4b^4 =$

10. $16a^8 - 121b^6 =$

11. $x^3 + 216 =$

12. $x^3 - 27y^3 =$

13. $64a^3 - 125b^3 =$

14. $8a^6 + 343b^3 =$

15. $27a^6b^3 - 125b^3 =$

16. $64a^6 - 27b^3c^9 =$